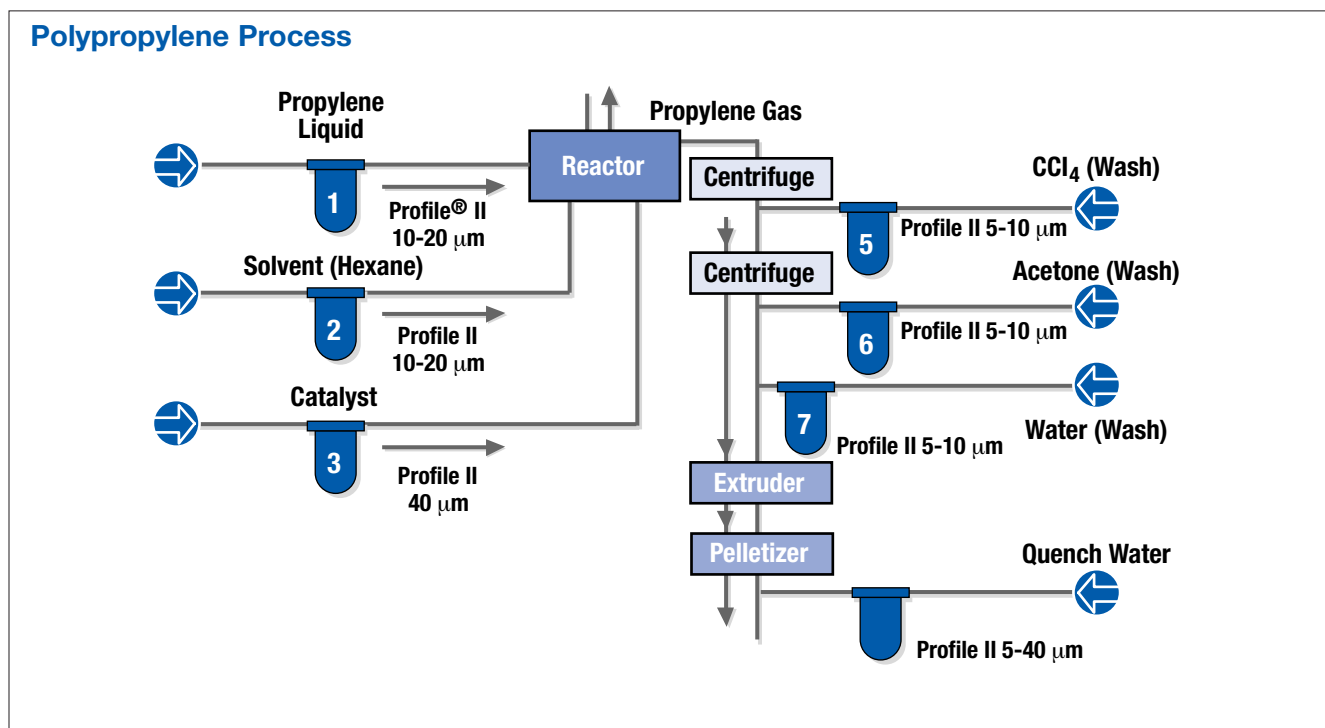


Wash and Quench Water Filtration Polymer Plants



Application Background

Polymers such as polypropylene, polyethylene, polyester and polyvinyl chloride are initially manufactured in pellet form. The formation of pellets takes place after the resin has been polymerized in the reactor vessel and extruded through a pelletizer. Quench water is used to help in the pellet formation and must be filtered to maintain polymer quality. Treated city water and river water are the main sources used for the quench water. Proper filtration is necessary to remove sand, iron, and organic material to prevent water contaminants from *flashing* onto the pellet surface.

Following pellet formation, wash water is used to remove airborne debris that might adhere to the pellet surface. This water should also be filtered to maintain a high quality polymer pellet. *Lack of filtration can result in a lower quality product, reducing its market value.*

Pall Product Recommendations

Profile® II Filter, 5-40 µm, grades of any style

Mini-Markets

Any polymerization process (e.g., Polyethylene, Polypropylene, PVC)

Literature References

Profile II Filter Guide, Literature code: PRO 400

Profile II Element Data Sheet, Literature code: E1



Fuels and Chemicals

2200 Northern Boulevard
East Hills, New York 11548-1289

888.873.7255 toll free
516.484.5400 phone
516.484.0364 fax

Visit us on the Web at www.pall.com

Select-A-FAX* 800.664.7255

for the latest information delivered to any fax machine, anywhere in the world. This automatic system operates 24 hours a day, seven days a week. Call 1.516.942.0523 from outside the USA.

Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, Hong Kong, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, United States, and Venezuela. Distributors are located in all major industrial areas of the world.

Filtration. Separation. Solution.SM

© Copyright 1989, 2001, Pall Corporation. Pall,  are trademarks of Pall Corporation. ® Indicates a Pall trademark registered in the USA. *Select-A-FAX is a registered trademark of CyberData, Inc.